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AB Optical resolution of racemic R1R2R3COH [R1-3 = H, halo, (halo- or amino-substituted) C1-20 aliphatic, aromatic hydrocarbon] using a stereoselective esterase are disclosed. (R,S)-1-Phenylethanol [(R,S)-I] and succinic anhydride in Et₂O were treated with Lipase B at 25° for 4 h (.apprx.50% conversion), the filtrate of the reaction mixture was mixed with aqueous Na₂CO₃, and the mixture was left to sep. them into an organic layer and an aqueous layer. I monoester Na salt in the aqueous layer was stirred with NaOH to give 96% (R)-I (96% ee), while unreacted (S)-I was isolated from the organic layer in 98% yield (94% ee).

IT 108-30-5, biological studies

RL: BIOL (Biological study)
(in optically active alcs. manufacture with lipase, from
racemic alcs.)

RN 108-30-5 CAPLUS

CN 2,5-Furandione, dihydro- (CA INDEX NAME)

